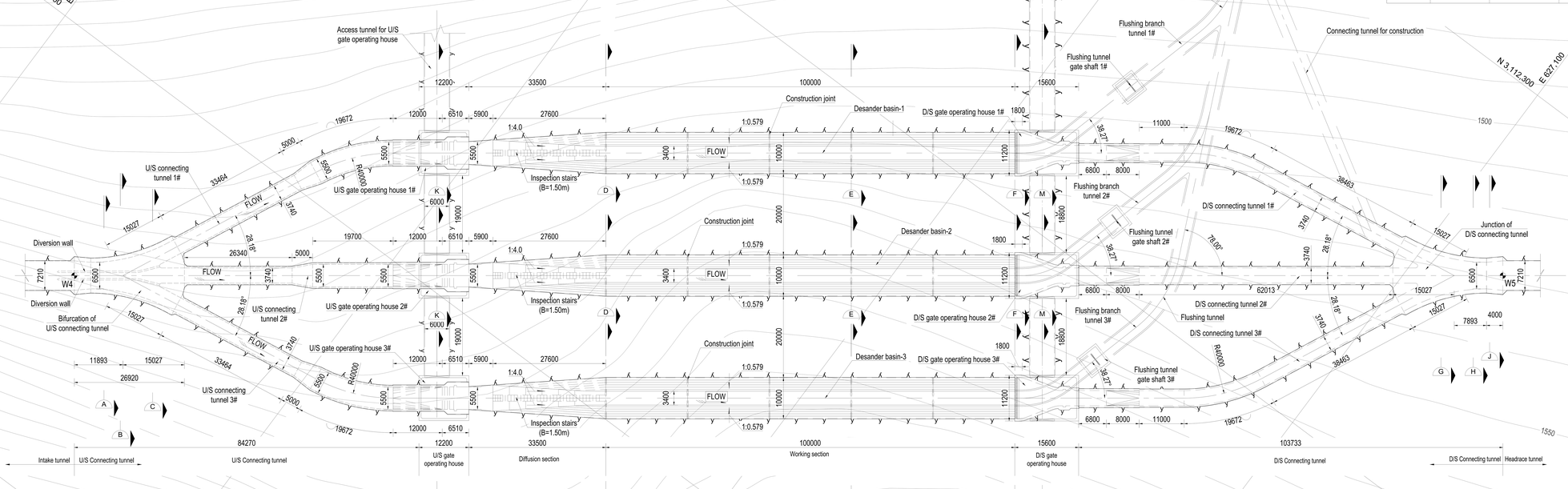
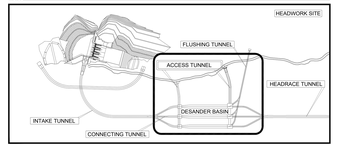
PLAN LAYOUT OF DESANDER BASIN

1:400



KEY PLAN



Coordinate of control points

No.	X(N) (m)	Y(E) (m)	Remark
W4	3112549.600	627360.090	℄ OF DESANDER BASIN
W5	3112340.410	627080.355	

NOTE

1. This set of drawings are Excavation and support drawing of desander basin.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see drawing No. UT1-C-030-CVL-DG-51002 for Excavation and support drawing of access tunnel for D/S gate operating house of desander basin.
4. Pls. see drawing No. UT1-C-030-CVL-DG-53002 for Excavation and supportdrawing of flushing tunnel.
5. Excavation and support drawing of access tunnel for U/S gate operating house of desander basin shall be shown in subsequent drawings.
6. Symbol description:
   - 6.1. A-line is the design excavation line.
   - 6.2. B-line is the overbreak line.
   - 6.3. R denotes round bar, yield strength of the round bar is 280mMpa.
   - 6.4. D denotes deformed bar, yield strength of the deformed bar is 500Mpa.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale: 1:400 (0, 4, 8, 12, 16, 20m)

REFERENCE DRAWINGS

SYMBOL AND LEGEND

FOR APPROVAL

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER: NWEDC

OWNER'S ENGINEER: TRACTEBEL ENGINEERING, fade CONSULT

CONTRACTOR: DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

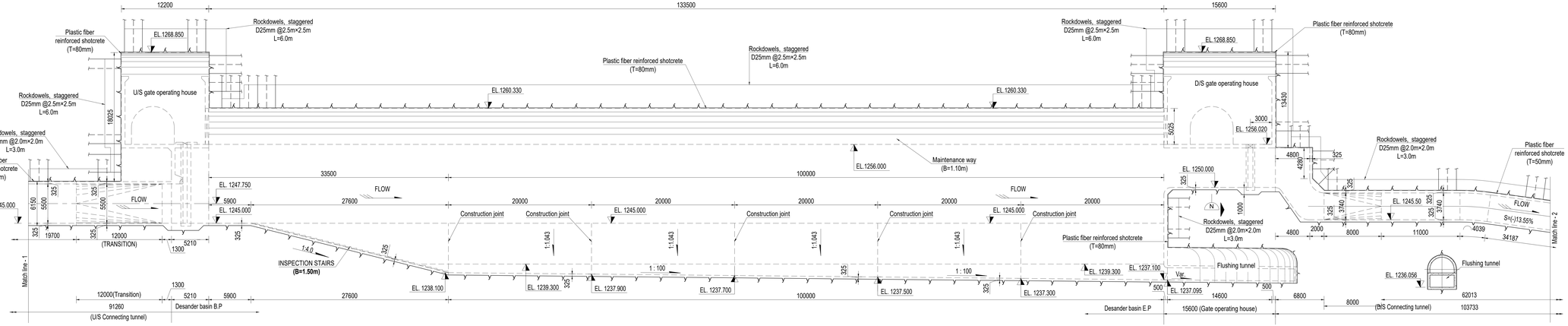
EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN (1/7)

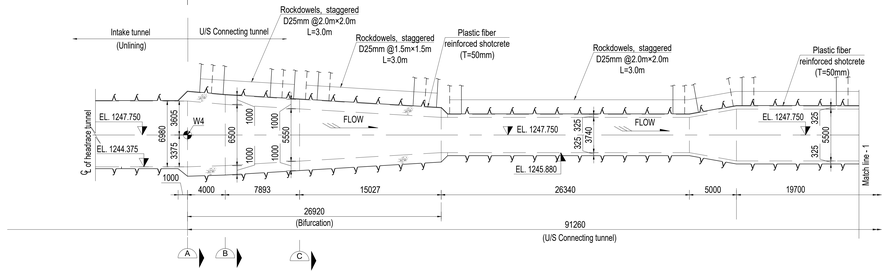
INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-01	1 OF 7	0A

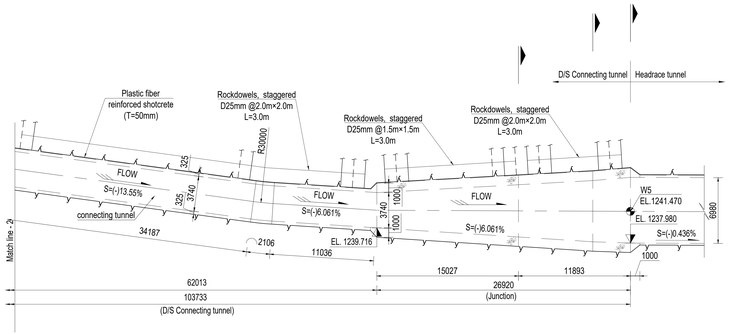
A1 (594 x 841 MM)

GENERAL PROFILE OF DESANDER BASIN-2

1:200







NOTE

1. This set of drawings is excavation and support drawing of desander basin.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale: 1:200 (0 2 4 6 8 10m)

REFERENCE DRAWINGS

SYMBOL AND LEGEND

FOR APPROVAL

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER: NWEDC (NEPAL WATER AND ENERGY DEVELOPMENT CO. (P.) LTD.)

OWNER'S ENGINEER: TRACTEBEL ENGIE; jade CONSULT

CONTRACTOR: DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

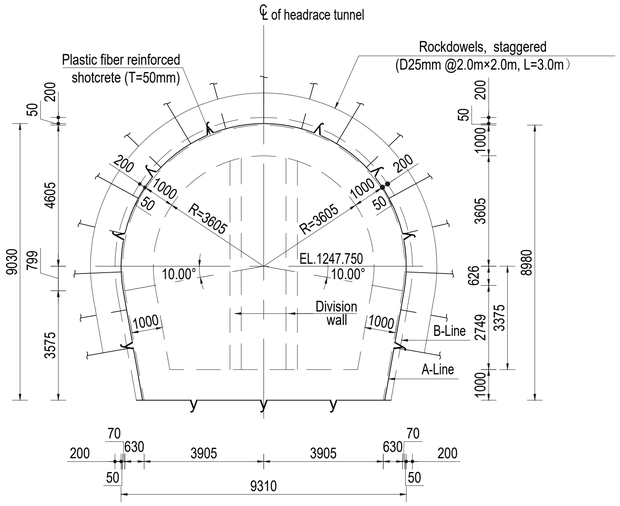
EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN (2/7)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-02	2 OF 7	0A

A1 (594 x 841 MM)

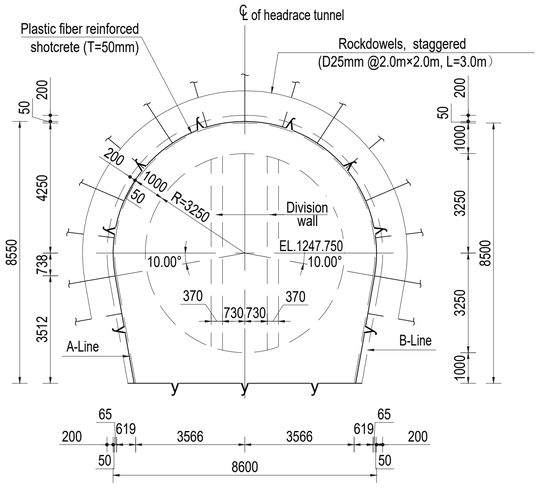
SECTION A-A

1:100



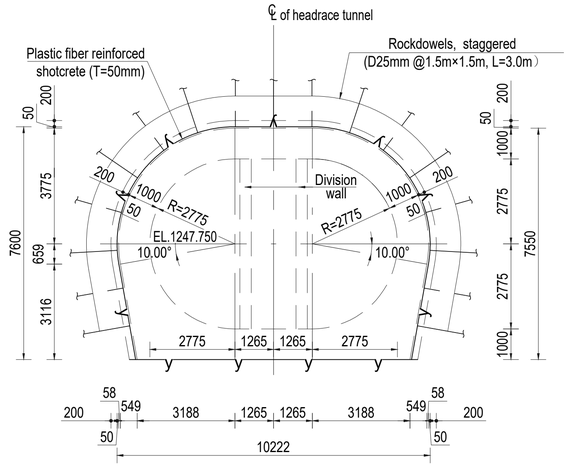
SECTION B-B

1:100



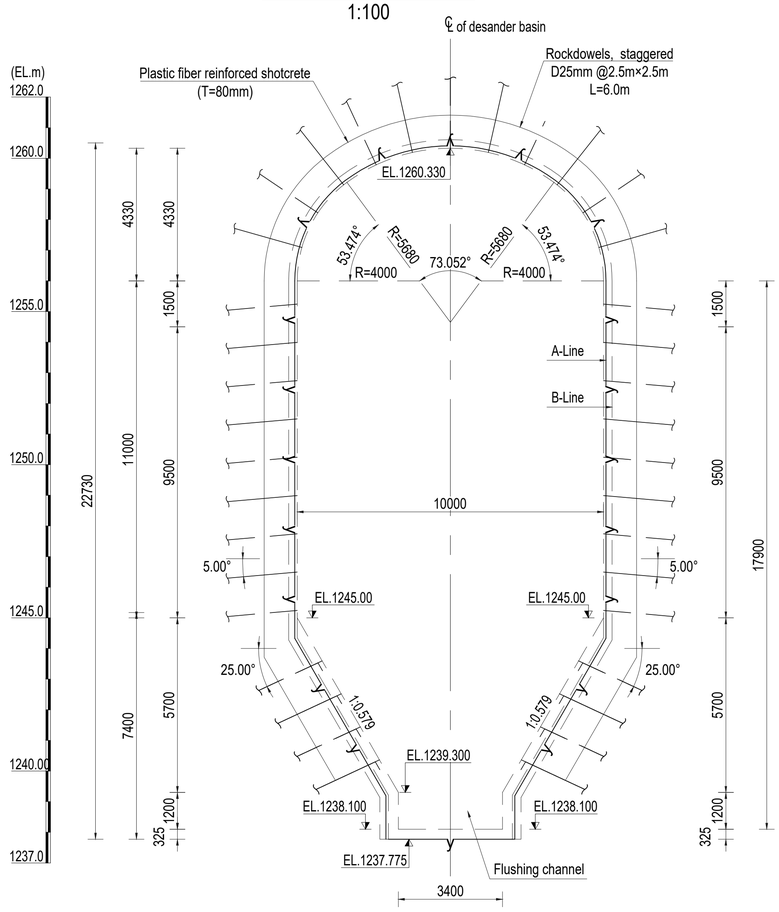
SECTION C-C

1:100



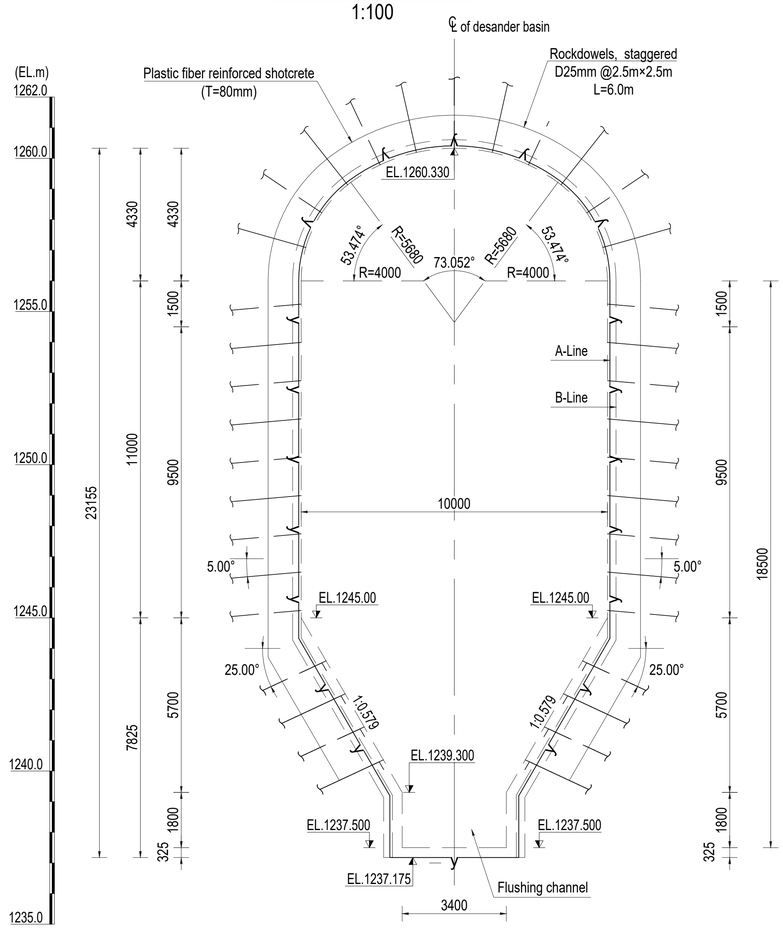
SECTION D-D

1:100



SECTION E-E

1:100



NOTE

1. This set of drawings is excavation and support drawing of desander basin.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:

1:100 0 1 2 3 4 5m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

FOR APPROVAL

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE jade CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

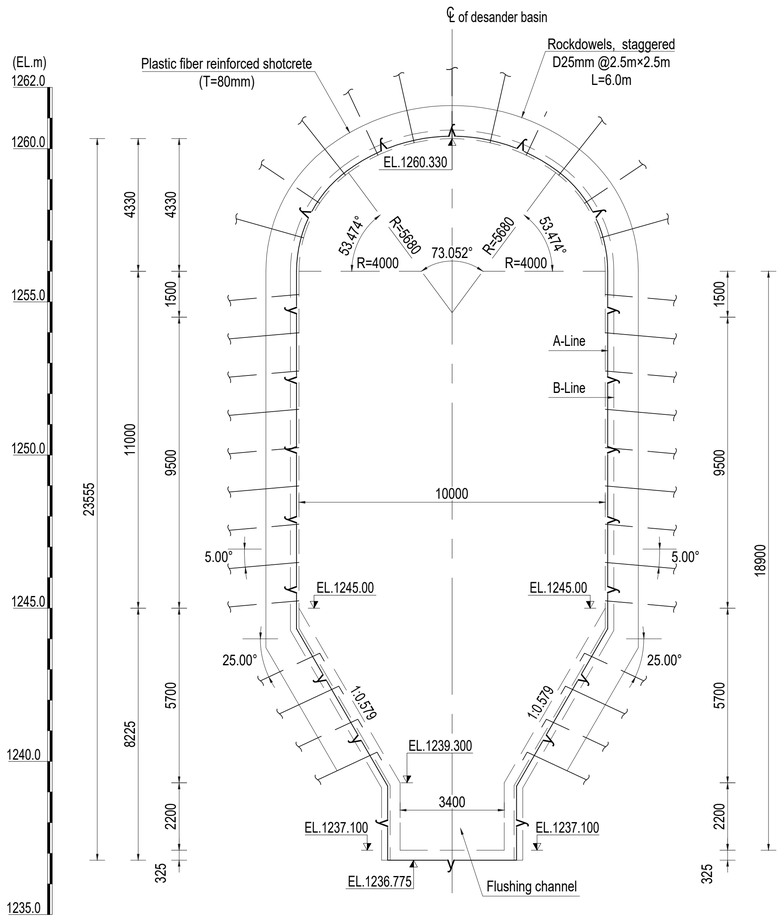
EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN (3/7)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-03	3 OF 7	0A

A1 (594 x 841 MM)

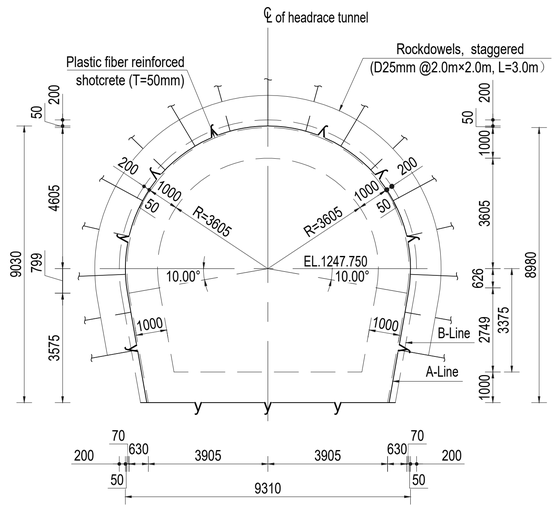
SECTION F-F

1:100



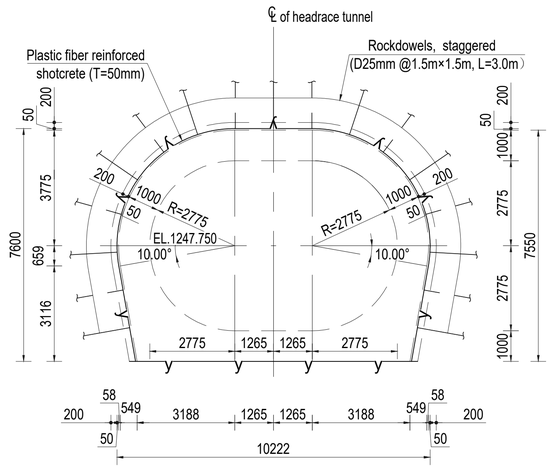
SECTION J-J

1:100



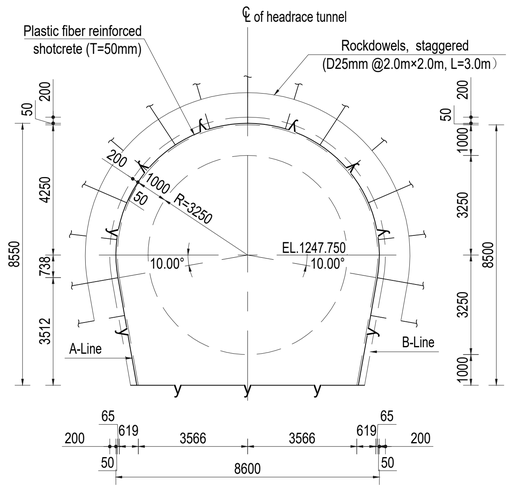
SECTION G-G

1:100



SECTION H-H

1:100



NOTE

1. This set of drawings is excavation and support drawing of desander basin.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see drawing No. UT1-C-030-CVL-DG-51002 for Excavation and support of Access tunnel for D/S gate operating house of desander basin.
4. Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:

1:100 0 1 2 3 4 5m

1:50 0 0.5 1 1.5 2 2.5m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE　jade CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

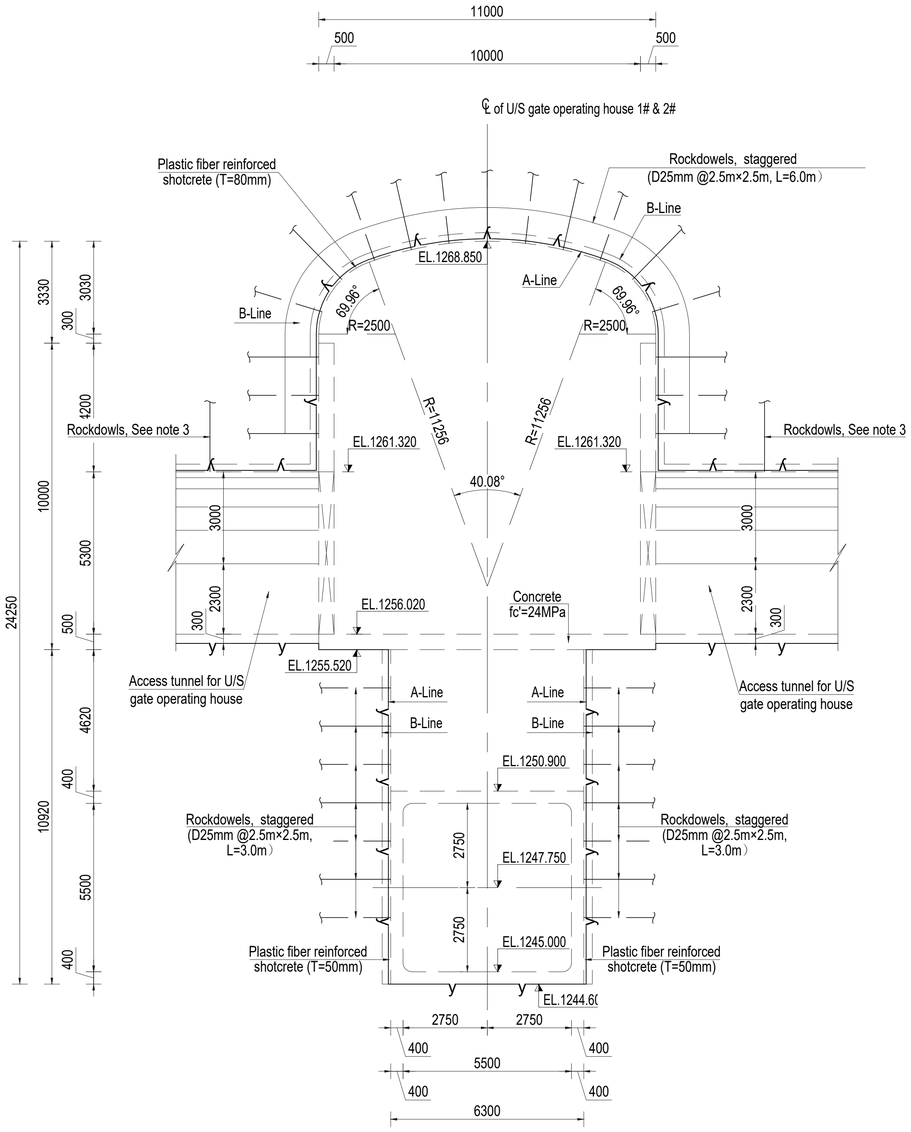
EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN (4/7)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-04	4 OF 7	0A

A1 (594 x 841 MM)

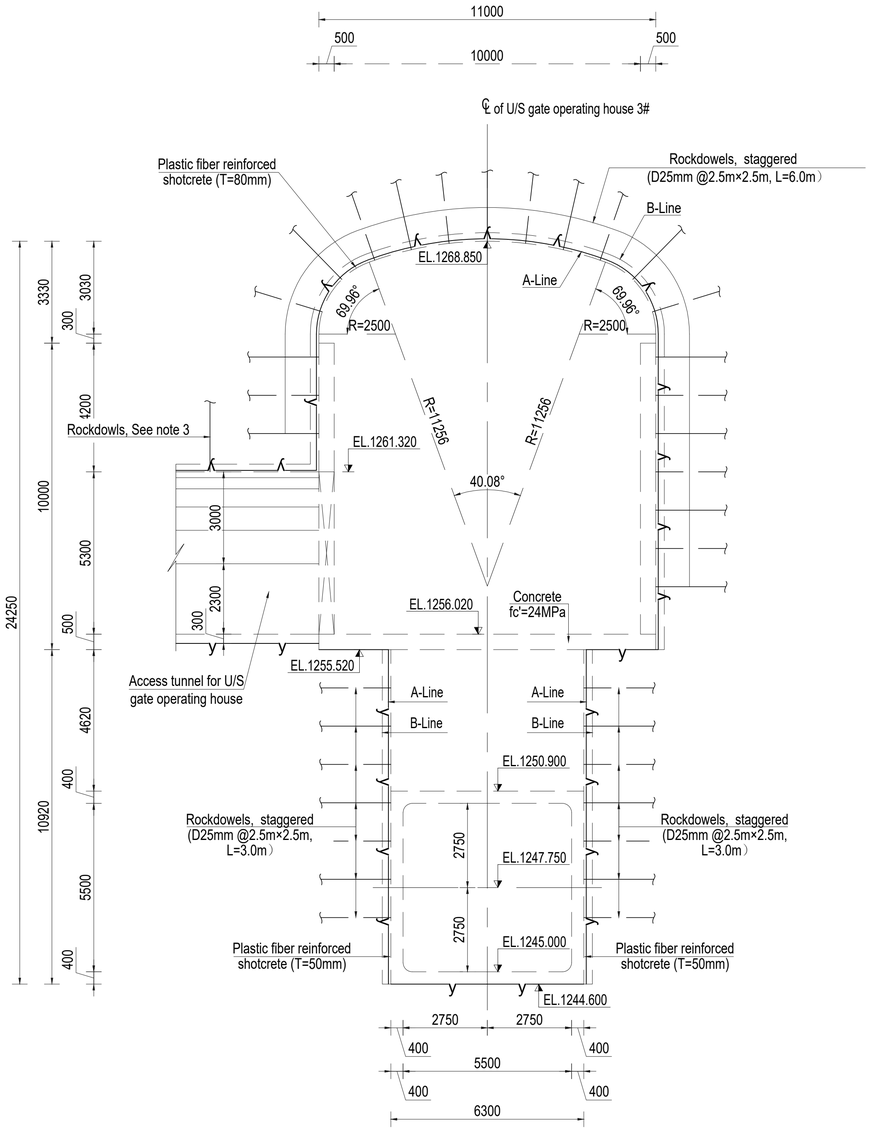
SECTION K-K

1:100



SECTION L-L

1:100



NOTE

1. This set of drawings is excavation and support drawing of desander basin.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Excavation and support of Access tunnel for U/S gate operating house of desander basin shall be shown in subsequent drawings.
4. Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:

1:100 0 1 2 3 4 5m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE jade CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

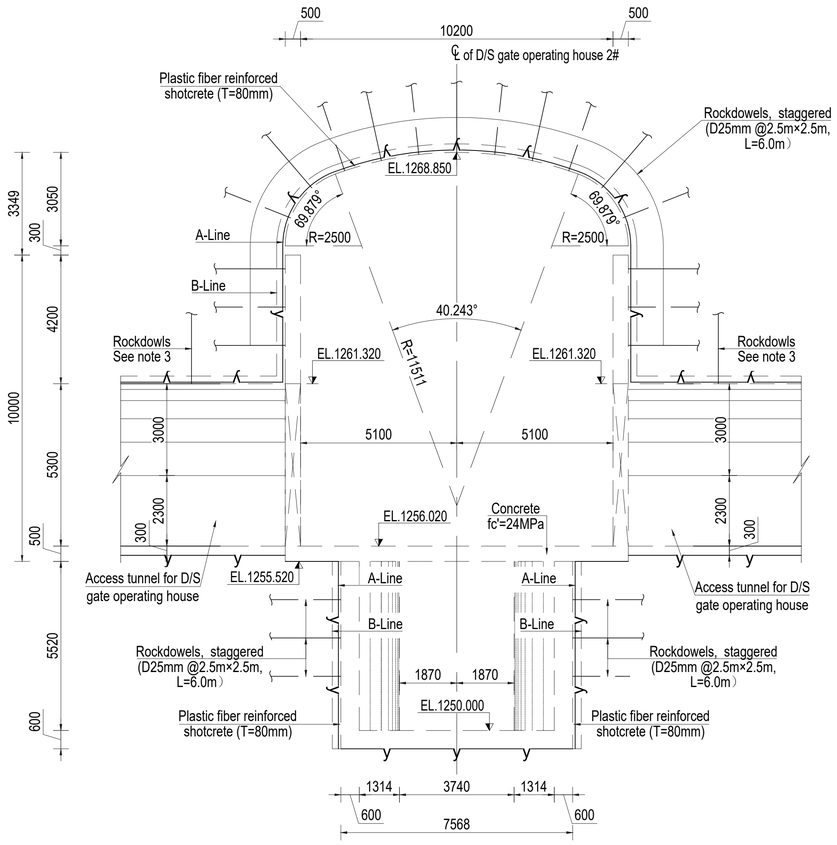
DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN (5/7)

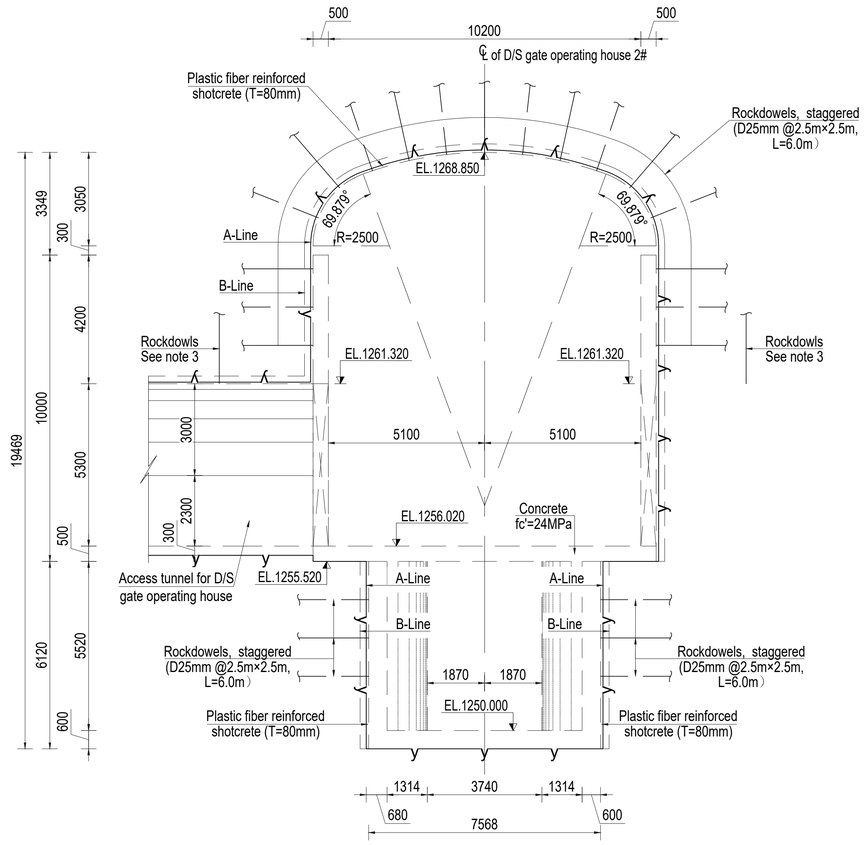
INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-05	5 OF 7	0A

A1 (594 x 841 MM)

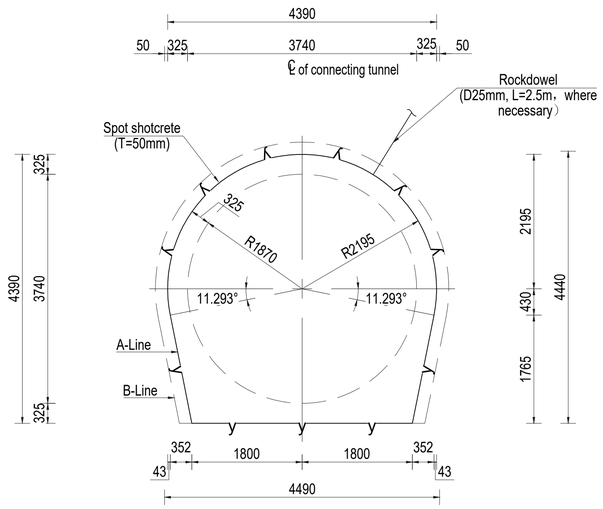
SECTION M-M
1:100



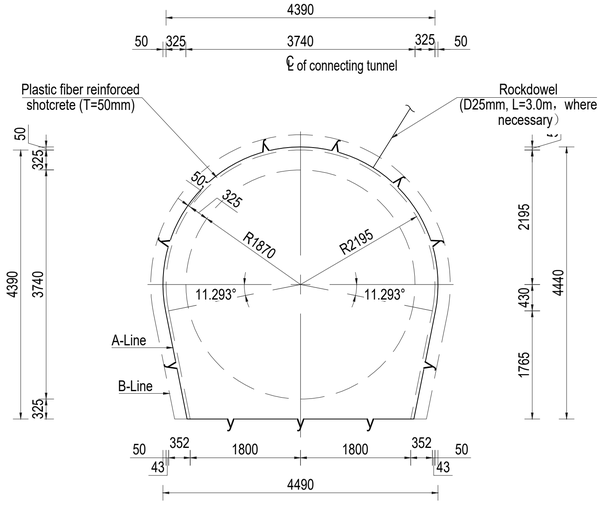
SECTION P-P
1:100



CONNECTING TUNNEL TYPICAL SECTION 1 FOR CLASS I
1:50



CONNECTING TUNNEL TYPICAL SECTION 1 FOR CLASS II
1:50



NOTE

1. This set of drawings is excavation and support drawing of desander basin.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see drawing No. UT1-C-030-CVL-DG-51002 for Excavation and support of Access tunnel for D/S gate operating house of desander basin.
4. Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:

1:100 0 1 2 3 4 5m

1:50 0 0.5 1 1.5 2 2.5m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

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0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. (P.V.T.) LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE JADE CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

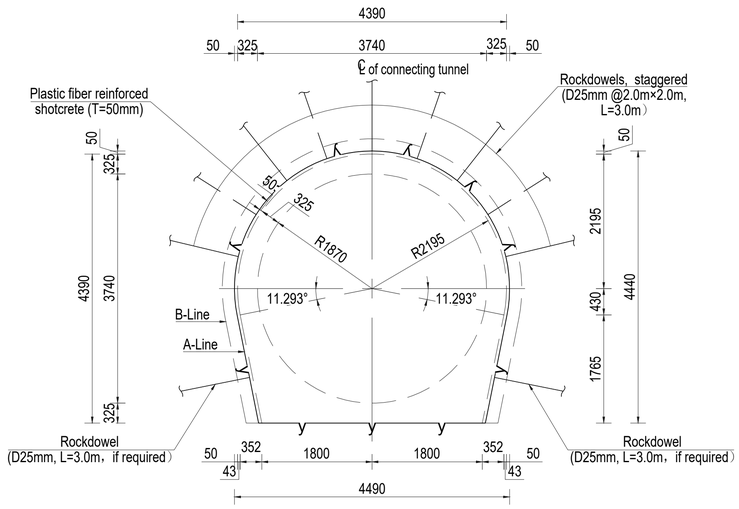
EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN (6/7)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-06	6 OF 7	0A

A1 (594 x 841 MM)

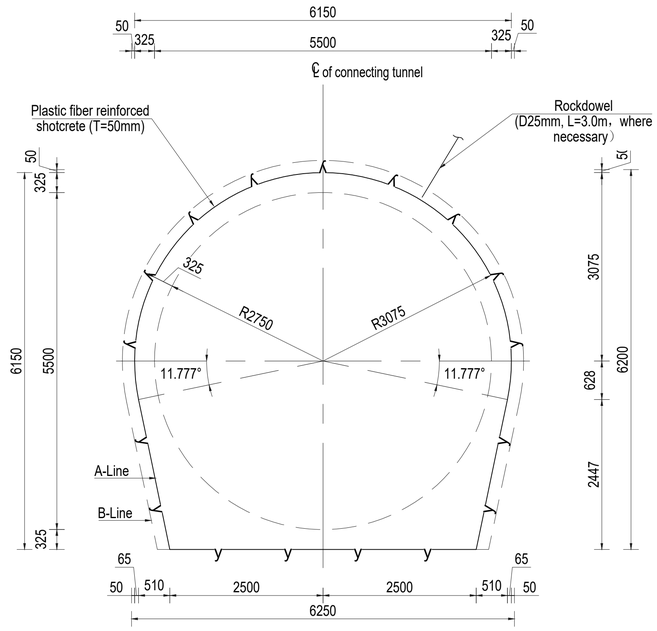
CONNECTING TUNNEL TYPICAL SECTION 1 FOR CLASS III

1:50



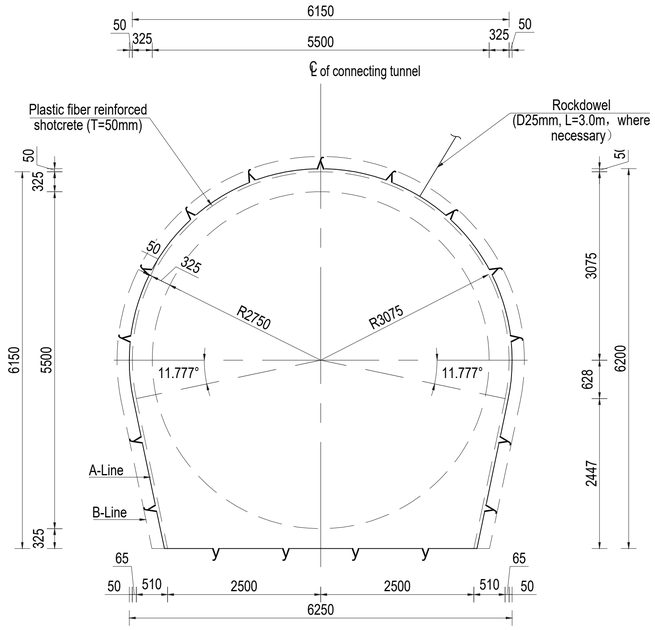
CONNECTING TUNNEL TYPICAL SECTION 2 FOR CLASS I

1:50



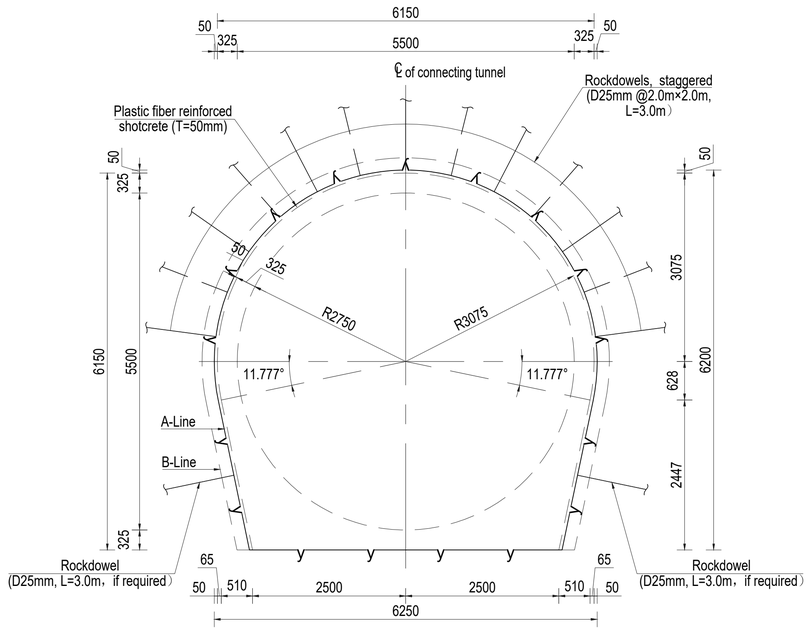
CONNECTING TUNNEL TYPICAL SECTION 2 FOR CLASS II

1:50



CONNECTING TUNNEL TYPICAL SECTION 2 FOR CLASS III

1:50



NOTE

1. This set of drawings is excavation and support drawing of desander basin.
2. All dimensions are in millimeters, and coordinates, chainages & elevations are in meters.
3. Pls. see sheet 1 for other notes.

Legend:

- Excavation line
- Estimated ground water level
- surface of 1st concrete
- section of 1st concrete

Scale:

1:50 0 0.5 1 1.5 2 2.5m

REFERENCE DRAWINGS

SYMBOL AND LEGEND

FOR APPROVAL

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0A	16.APR.2022	FIRST ISSUE	WANG H.Q.	ZHANG J.Q.	LI W.G. LIU Y.Z.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. (P.) LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE JADE CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

EXCAVATION AND SUPPORT DRAWING OF DESANDER BASIN (7/7)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-030-CVL-DG-52002-07	7 OF 7	0A

A1 (594 x 841 MM)